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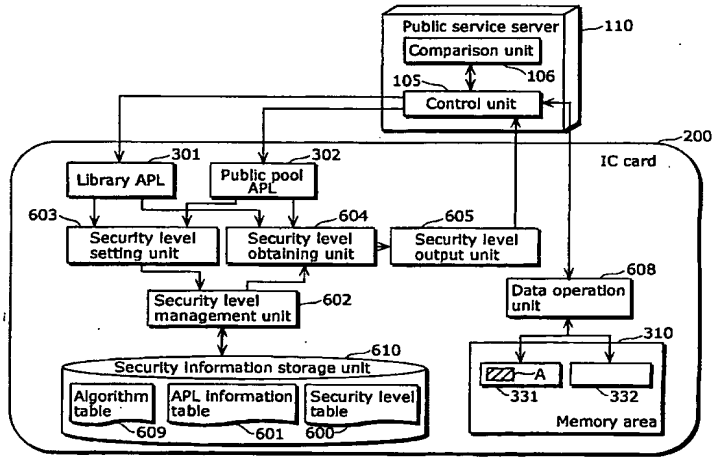
(54) Title: SEMICONDUCTOR MEMORY



(57) Abstract: The object of the present invention is to provide a semiconductor memory which is capable of executing multiple application programs and duplicating important data from one application program into another application program in security. An IC card (200) is one example of the semiconductor memory of the present invention, and is capable of executing multiple application programs. The IC card (200) includes: a memory area (331) for storing data relating to a library APL (301); a memory area (332) for storing data relating to a public pool APL (302); a security level setting unit (603) which identifies respective security levels of the library APL (301) and the public pool APL (302) for the data relating to these application programs, based on a criterion for identifying the security level of an application program for the data relating to it; and a data operation unit (608) which duplicates data A stored in the memory area (331) and stores the duplicated data A into the memory area (332), without taking the data A outside of the IC card (200), in the case where the relationship between the two security levels identified by the security level setting unit (603) meets a predetermined condition.

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